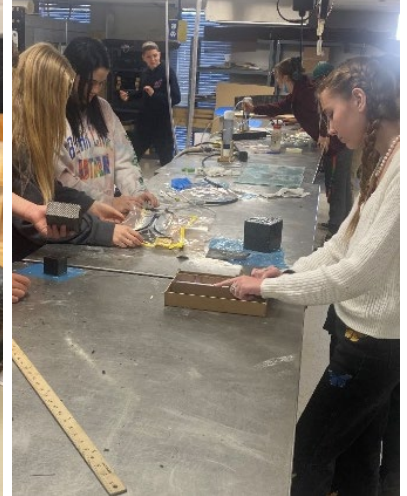


COMPOSITE 2/ MANUFACTURING 2



Composites/Manufacturing is a branch of Engineering Manufacturing that teaches students to design, create, and build various parts and equipment used in every day to improve the quality of life.

Composites 2 is the process of changing materials into useable products in a workplace or factory. This is an activity-oriented course for broad exploration of the Composites & Aerospace manufacturing industry. Students will explore hand and machine processes, fabricating, composite materials, and mass production techniques. Activities will incorporate problem solving, creative thinking, independent learning, group interactions and academic integration. Students will manufacture their own projects, write a R & D Project, choose from the following areas: Utah based companies, Methods of production, Projects, or Occupations.

Topics Covered

- Precision Measuring
- Additive Manufacturing
- Vacuum Bagging
- Vacuum Infusion
- Mold Making
- Carbon Fiber Park Skinning
- Part Finishing

Career Paths

- Aerospace Engineering
- Engineering Technician
- Industrial Engineering Technician
- Materials Engineer
- Mechanical Engineer
- CTE Teacher
- Mechanical Drafter
- Tool and Die Maker



To Register, submit a GTI Application (signed by parent).

Visit the GTI website or contact your school counselor for an application.

This course offers college credit through SUU

Utah Aerospace Certification upon completion of Internship

Granite School District does not discriminate on the basis of race, color, sex, pregnancy, religion, national origin, marital status, disability, sexual orientation, gender identity, age, or any other legally protected classification in educational programs, activities, or access to facilities.



Location

Granite Technical Institute
2500 S. State St.

Transportation

School bus available to & from GTI

Grade Level

11th- 12th grades

Pre-Requisites

Composites 1

Class Times

2-period Block

Credits

1.0 CTE, Elective, College Credit available SUU (CCET 2690)

Length

Semester

Fees

Lab fees required.

Fee waivers available for qualifying students at their home high school.

Certification

Utah Aerospace Certification
(completion of Internship)